

**EXHIBIT A - NEW CLAIMS PRESENTED  
IN AMENDMENT FILED MAY 21, 2003**

25. (New) A method of forming a flexible bone sheet comprising:  
providing a sheet of cortical bone;  
creating at least one hole in the sheet which is configured and dimensioned to receive a fastener;

masking the sheet proximate the at least one hole to create a masked region surrounding the at least one hole; and

applying at least one demineralizing agent to the sheet around the masked region.

26. (New) The method according to claim 25, wherein the masking at least partly comprises:

removably attaching a plurality of masking elements to the sheet to provide masking proximate the at least one hole.

27. (New) The method according to claim 25, further comprising:  
creating perforations in the sheet that are substantially smaller than the at least one hole.

28. (New) The method according to claim 25, further comprising:  
masking the sheet proximate at least a portion of an edge thereof.

29. (New) A bone sheet for implantation, the sheet comprising:  
a flexible and at least partially demineralized field;  
at least one mineralized region that is substantial surrounded by the at least partially demineralized field; and  
at least one hole configured and dimensioned to receive at least one fastener.

30. (New) The bone sheet according to claim 29, wherein the sheet comprises cortical bone.

31. (New) The bone sheet according to claim 29, wherein the at least one mineralized region consists essentially of cortical bone.

32. (New) The bone sheet according to claim 29, wherein the at least one hole is defined within the at least one mineralized region.

33. (New) The bone sheet according to claim 29, wherein the mineralized region extends between at least two holes.

34. (New) The bone sheet according to claim 29, wherein the mineralized region extends between at least three holes.

35. (New) The bone sheet according to claim 29, further comprising an outer edge of the bone sheet, wherein the mineralized region extends to the outer edge.

36. (New) A mesh for implantation comprising:  
a perforated cortical bone sheet comprising a plurality of openings;  
at least one mineralized region disposed around at least one of the openings;  
and  
an at least partially demineralized region disposed around the at least one mineralized region.

**EXHIBIT B - CLEAN COPY OF THE CLAIMS PENDING  
AS OF ENTRY OF AMENDMENT FILED MAY 21, 2003**

1. A bone sheet for implantation, the sheet comprising an at least partially demineralized field substantially surrounding at least one mineralized region.
2. The bone sheet according to claim 1 having at least one rib providing localized thickness to the sheet.
3. The bone sheet according to claim 1, wherein the sheet is formed of cortical bone.
4. The bone sheet according to claim 3 wherein the sheet comprises a plurality of mineralized regions.
5. The bone sheet according to claim 4 wherein at least two of the mineralized regions are connected by a strut.
6. The bone sheet according to claim 3, wherein the at least one mineralized region defines at least one hole in the sheet.
7. The bone sheet according to claim 6, wherein the at least one hole is configured and dimensioned to receive at least one fastener.
8. The bone sheet according to claim 3, wherein the sheet has a thickness of between about 0.5 mm and about 3 mm.
9. A method of forming a flexible bone sheet comprising:  
providing a sheet of cortical bone;  
creating at least one hole in the cortical sheet which is configured and dimensioned to receive a fastener;

masking the cortical sheet proximate the at least one hole to create a masked region surrounding the at least one hole; and  
applying demineralizing agents to the cortical sheet around the masked region.

10. The method according to claim 9, wherein a plurality of masking elements are removably attached to the sheet to provide masking proximate the at least one hole.

11. The method according to claim 9, wherein the masking is provided by at least one of the group consisting of tape, paint, and a coating.

12. The method according to claim 9, further comprising creating perforations in the sheet that are substantially smaller than the at least one hole.

13. The method according to claim 9, further comprising cutting a bone section along a spiral path.

25. (New) A method of forming a flexible bone sheet comprising:  
providing a sheet of cortical bone;  
creating at least one hole in the sheet which is configured and dimensioned to receive a fastener;  
masking the sheet proximate the at least one hole to create a masked region surrounding the at least one hole; and  
applying at least one demineralizing agent to the sheet around the masked region.

26. (New) The method according to claim 25, wherein the masking at least partly comprises:  
removably attaching a plurality of masking elements to the sheet to provide masking proximate the at least one hole.

27. (New) The method according to claim 25, further comprising:  
creating perforations in the sheet that are substantially smaller than the at least  
one hole.

28. (New) The method according to claim 25, further comprising:  
masking the sheet proximate at least a portion of an edge thereof.

29. (New) A bone sheet for implantation, the sheet comprising:  
a flexible and at least partially demineralized field;  
at least one mineralized region that is substantial surrounded by the at least  
partially demineralized field; and  
at least one hole configured and dimensioned to receive at least one fastener.

30. (New) The bone sheet according to claim 29, wherein the sheet  
comprises cortical bone.

31. (New) The bone sheet according to claim 29, wherein the at least one  
mineralized region consists essentially of cortical bone.

32. (New) The bone sheet according to claim 29, wherein the at least one  
hole is defined within the at least one mineralized region.

33. (New) The bone sheet according to claim 29, wherein the mineralized  
region extends between at least two holes.

34. (New) The bone sheet according to claim 29, wherein the mineralized  
region extends between at least three holes.

35. (New) The bone sheet according to claim 29, further comprising an  
outer edge of the bone sheet, wherein the mineralized region extends to the outer edge.

36. (New) A mesh for implantation comprising:  
a perforated cortical bone sheet comprising a plurality of openings;  
at least one mineralized region disposed around at least one of the openings;

and

an at least partially demineralized region disposed around the at least one mineralized region.